

**Notice of Allowability****Application No.**

09/916,516

**Examiner**

Trenton J. Roche

**Applicant(s)**

AIGEN, MICHAEL L.

**Art Unit**

2193

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to communications filed 20 December 2005.
2. ☒ The allowed claim(s) is/are 1-13.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)           |
| 2. <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948)                                 | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|   | 9. <input type="checkbox"/> Other _____   |

### EXAMINER'S AMENDMENT

1. An Examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to Applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this Examiner's amendment was given in a telephone interview with Clyde R. Christofferson, Reg. No. 34,138 on 16 March 2006.

The application has been amended as follows:

1. **(currently amended)** An automated method for converting tables of data in a source database to components of a target application, the method comprising the steps:

obtaining by a computer identification of a) specified tables in said source database containing data usable in said target application, b) a target location for said target application and c) an application server being used for development of said target application at said target location

reading by a computer definitions of said specified tables from said source database; and

generating by a computer from said database definitions a plurality of source code files for each specified table, said source code files being generated directly in a language of said target application, each said specified table being referenced consistently across said plurality of source code files, said plurality of source code files including object classes and deployment descriptors, said specified tables being made accessible to a remote client by said target application, said target application being developed using said plurality of source code files,

wherein said method is applied to obtain identification of specified tables, read definitions of the tables from the database, and generate from the database the source code files in the generating

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~~step proceeds from said database definitions to a~~ language of said target application in response to both updates in said database and updates in said target application.

The Examiner's amendment was required to more clearly define the invention and to obviate any possible rejections under 35 U.S.C. §§ 102 and 103.

***Allowable Subject Matter & Examiner's Statement of Reason(s) for Allowance***

2. Claims 1-13 are allowed.
3. The following is an Examiner's statement of reasons for allowance:

The closest found prior art of record, specifically, U.S. Patent Application Publication 2002/0016954 to Charisius et al. (hereinafter "Charisius"), taken alone or in combination, fails to teach or reasonably suggest an automated method for converting tables of data in a source database to components of a target application in accordance with independent claim 1. Specifically, Charisius fails to teach "*obtaining by a computer identification of...specified tables in said source database...reading by a computer definitions of said specified tables from said source database; and generating by a computer from said database definitions from a plurality of source code files for each specified table, said source code files being generated directly in a language of said target application, each said specified table being referenced consistently across said plurality of source code files...said specified tables being made accessible to a remote client by said target application, said target application being developed using said plurality of source code files, wherein said method is applied to obtain identification of specified tables, read definitions of the tables from the database, and generate from the database the source code files in the language of said target application in response to both updates in said database and updates in said target application.*" (claim 1).

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While Charisius discloses a system for automatically generating EJB source files from a source database and associated tables, Charisius does not explicitly disclose the ability to generate a plurality of source code files for each specified table, nor does Charisius explicitly disclose obtaining identification of specified tables, read definitions of the tables from the database, and generate from the database the source code files in response to both updates in the database and updates in a target application. Further, note pages 16-18 of Applicant's Remarks.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Trenton J. Roche whose telephone number is (571) 272-3733. The examiner can normally be reached on Monday - Friday, 9:00 am - 5:30 pm.

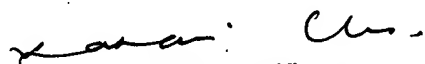
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki can be reached on (571) 272-3719. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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5. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Trenton J Roche  
Examiner  
Art Unit 2193

TJR

  
KAKALI CHAKI  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100